

In another embodiment (forward and backward primers) used for reamplification and detection of Cyt b gene contains oligonucleotides with the sequences (SEQ ID NOS 3 and 2):

CBI-L: 5' CCA TCC AAC ATC TCA GCA TGA TGA AA 3'  
CYT 2: 5' CTC CAR TCT TCG RYT TAC AAG 3'

On Page 13, delete the third paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

In another embodiment the primer set (forward and backward primers) used for PCR amplification and detection of D-Loop gene contains oligonucleotides with the sequences:

PRO-L : 5' CTA CC 3'  
D-LOOP H: 5' CCT GAA GTA GGA ACC AGA TG 3' (SEQ ID NO 4)

On Page 13, delete the fourth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

In another embodiment (forward and backward primers) used for PCR amplification of ITS2 gene contains oligonucleotides with the sequences SEQ ID NOS 5-6):

ITS2 -F : 5' CTA CGC CTG TCT GAG TGT C 3'  
ITS2 -R : 5' ATA TGC TTA AAT TCA GCG GG 3'

On Page 13, delete the fifth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

In yet another embodiment the primer set (forward and backward primers) used for PCR amplification of Rhodopsin gene Rod contains oligonucleotides with the sequences SEQ ID NOS 7-8):

ROD-R: 5' TCT TTC CGC AGC ACA ACG TGG 3'  
ROD-F: 5' CAT ATG AAT ACC CTC AGT ACT ACC 3'

On Page 13, delete the sixth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

In still another embodiment the primer set (forward and backward primers) used for PCR amplification of 12S RNA gene contains oligonucleotides with the sequences (SEQ ID NOS 9-10):

12 SA-L: 5' AAA CTG GGA TTA GAT ACC CCA CTA T 3'  
12 SB-H : 5 ' AGA GTG ACG GGC GGT GTG T 3'

On Page 14, delete the first paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

In another embodiment the primer set (forward and backward primers) used for PCR amplification of 16S RNA gene contains oligonucleotides with the sequences (SEQ ID NOS 11-12):

16 SAR -L: 5' CGC CTG TTT ATC AAA AAC AT 3'  
16 SBR-H : 5 ' CCG GTC TGA ACT CAG ATC ACG T 3'

On Page 14, delete the last paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The invention also relates to specific DNA sequences for the cloned DNA probe inserts for the Cyt b , D-Loop, Rod, ITS2 genes. The invention provides species specific primer sequences for amplification and detection of Cyt b , D-Loop, Rod, ITS2 , 12S RNA and 16 S RNA genes of *Stenobranchius leucopsarus* (SLMB) myctophid fish. The sequences of the species specific primer 12S rRNA -H and 12S rRNA -L of *Stenobranchius leucopsarus* (SLMB) designed were such as (SEQ ID NOS 13-14):

12S-H 5' CCC ACT CAC TGC TAA CTC C 3'  
12S-L 5' GGC TAA CTA CAA TCA TCT GCT 3'

On Page 15, delete the first paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 16S rRNA -H and 16S rRNA -L of *Stenobrachius leucopsarus* (SLMB) designed were such as (SEQ ID NOS 15-16):

16S-H	5'	TAC GCA TAA CGG CTC TGG	3'
16S-L	5'	CTA CTA CAC CTC AAC TAC ATC T	3'

On Page 15, delete the second paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer Cyt -H and Cyt -L of *Stenobrachius leucopsarus* (SLMB) designed were such as (SEQ ID NOS 17-18):

Cyt-H	5'	GCT CGG GCT GCT GGA ATC TT	3'
Cyt-L	5'	CAA CCT CAT CTG TCG TAA AC	3'

On Page 15, delete the third paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer ITS2 -H and ITS2 -L (Forward ) of *Stenobrachius leucopsarus* (SLMB) designed were such as (SEQ ID NOS 19-20):

ITS2-H	5'	ATA CTC TGC GGA CAT ACT TGA CTG	3'
ITS2-F	5'	ACT TGA CTG ACC TTC TTA CT	3'

On Page 15, delete the fourth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer Pro-L and D Loop -H of *Stenobrachius leucopsarus* (SLMB) designed were such as (SEQ ID NOS 21-22):

Pro-L	5'	CAG TCT CGT CAA ACC AAG TCA AAC	3'
D loop-H	5'	ATA ATC ATC CAG CAT AAA CAC AC	3'

On Page 15, delete the fifth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer ROD -L and ROD-H of *Stenobranchius leucopsarus* (SLMB) designed were such as (SEQ ID NOS 23-24):

ROD-L	5'	CCT GGT AGA GTT CGC CGT CA	3'
ROD-H	5'	CGT GTT CCT TAT CAT TGT GCC T	3'

On Page 15, delete the sixth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 16S rRNA -H and 16S rRNA-L of yet another myctophid *Lampanyctus regalis* (LRMB) designed were such as (SEQ ID NOS 25-26):

16S-H	5'	TCG TAG TTC AGC AGT CAG	3'
16S-L	5'	CAC CAG CCA AGT ATG TTT CTC	3'

On Page 16, delete the first paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 12S rRNA -H and 12S rRNA -L of yet another myctophid *Lampanyctus regalis* (LRMB) designed were such as (SEQ ID NOS 27-28):

12S-H	5'	GCC TCC ATC ATC CCT CAC CTT AC	3'
12S-L	5'	CTA TTC GCC TCG CTC AGA C	3'

On Page 16, delete the second paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 16S rRNA -H and 16S rRNA -L of yet another myctophid *Diaphus theta* (DTMB) designed were such as SEQ ID NOS 29-30):

16S-H	5'	CTC CGT CCG TCT CGC CTC TG	3'
16S-L	5'	AAA TCC GCC CTT ATG TGT GTT C	3'

On Page 16, delete the third paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 12S rRNA -H and 12S rRNA -L of yet another myctophid *Diaphus theta* (DTMB) designed were such as (SEQ ID NOS 31-32):

12S-H	5'	CAT CGG CTT GCT CTA TTC CTT G	3'
12S-L	5'	TCT ATC GGC GGC GTA TCA C	3'

On Page 16, delete the fourth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 16S rRNA -H and 16S rRNA -L of yet another myctophid *Tarletonbaenia crenularis* (TCMB) designed were such as (SEQ ID NOS 33-34):

16S-H	5'	GGC GAT TCT ACG GCA CGG GCG	3'
16S-L	5'	AAA CTG GTC CTC AAC TAT GTC A	3'

On Page 16, delete the fifth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 12S rRNA -H and 12S rRNA -L of yet another myctophid *Tarletonbaenia crenularis* (TCMB) designed were such as (SEQ ID NOS 35-36):

12S-H	5'	CCG ATT CAG CCA CGA TTC CCT C	3'
12S-L	5'	CCT AAA GCC CAG ATA ACT ACA	3'

On Page 16, delete the sixth paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 16S rRNA -H and 16S rRNA -L of yet another myctophid *Protomyctophum crockeri* (PCMB) designed were such as (SEQ ID NOS 37-38):

16S-H	5'	CGT GTT CTG ATG ATG ATG TGC T	3'
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16S-L      5'      ATT CCT TCC TCT TAG TAT G      3'

On Page 17, delete the first paragraph; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

The sequences of the species specific primer 12S rRNA -H and 12S rRNA -L of yet another myctophid *Protomyctophum crockeri* (PCMB) designed were such as (SEQ ID NOS 39-40):

12S-H      5'      GCT GAA CTT ACT ATG CCC TAC T      3'  
12S-L      5'      CCG ATT GAC GCC GAA CTA TG      3'

On Page 17, delete the paragraph entitled **Table 1**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 1 -** Forward primer (SEQ ID NO: 18) designed for cytochrome b gene of *Stenobrachius leucopsarus* (slmb primer cyt L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 17, delete the paragraph entitled **Table 2**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 2 -** Backward primer (SEQ ID NO: 17) designed for cytochrome b gene of *Stenobrachius leucopsarus* (slmb primer cyt H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 17, delete the paragraph entitled **Table 3**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 3 -** Forward primer (SEQ ID NO: 20) designed for Internal Transcribed Spacer (ITS2) of *Stenobrachius leucopsarus* (slmb primer ITS2 F) with 5' to 3'

end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 17, delete the paragraph entitled **Table 4**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 4 -** Backward primer (SEQ ID NO: 19) designed for Internal Transcribed Spacer (ITS2) *Stenobrachius leucopsarus* (slmb primer ITS2-H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 17, delete the paragraph entitled **Table 5**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 5 -** Forward primer (SEQ ID NO: 21) designed for mitochondrial Control region d-Loop of *Stenobrachius leucopsarus* (slmb primer pro-L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 17, delete the paragraph entitled **Table 6**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 6 -** Backward primer (SEQ ID NO: 22) designed for mitochondrial Control region d-Loop *Stenobrachius leucopsarus* (slmb primer D loop -H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 17, delete the paragraph entitled **Table 7**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 7 -** Forward primer (SEQ ID NO: 23) designed for Rhodopsin gene region of *Stenobrachius leucopsarus* (slmb primer ROD-L) with 5' to 3' end

sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 8**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 8 -** Backward primer (SEQ ID NO: 24) designed for Rhodopsin gene region of *Stenobranchius leucopsarus* (slmb primer ROD -H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 9**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 9 -** Forward primer (SEQ ID NO: 26) designed for mitochondrial 16S ribosomal RNA region of *Lampanyctus regalis* (LRMB primer 16 S-L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 10**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 10 -** Backward primer (SEQ ID NO: 25) designed for mitochondrial 16S ribosomal RNA region of *Lampanyctus regalis* (LRMB primer 16 S -H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 11**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 11 -** Forward primer (SEQ ID NO: 28) designed for mitochondrial 12 S ribosomal RNA region of *Lampanyctus regalis* (LRMB primer 12 S-L) with



5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 12**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 12 -** Backward primer (SEQ ID NO: 27) designed for mitochondrial 12 S ribosomal RNA region of *Lampanyctus regalis* (LRMB primer 12 S -H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 13**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 13 -** Backward primer (SEQ ID NO: 29) designed for mitochondrial 16 S ribosomal RNA region of *Diaphus theta* (DTMB primer 16 S -H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 14**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 14 -** Forward primer (SEQ ID NO: 30) designed for mitochondrial 16 S ribosomal RNA region of *Diaphus theta* (DTMB primer 16 S -L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 15**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 15 -** Backward primer (SEQ ID NO: 31) designed for mitochondrial 12 S ribosomal RNA region of *Diaphus theta* (DTMB primer 12 S -H) with 5'

to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 18, delete the paragraph entitled **Table 16**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 16 -** Forward primer (SEQ ID NO: 32) designed for mitochondrial 12 S ribosomal RNA region of *Diaphus theta* (DTMB primer 12 S -L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 19, delete the paragraph entitled **Table 17**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 17 -** Backward primer (SEQ ID NO: 33) designed for mitochondrial 16 S ribosomal RNA region of *Tarletonbeania crenularis* (TCMB primer 16 S - H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 19, delete the paragraph entitled **Table 18**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 18 -** Forward primer (SEQ ID NO: 24) designed for mitochondrial 16 S ribosomal RNA region of *Tarletonbeania crenularis* (TCMB primer 16 S -L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 19, delete the paragraph entitled **Table 19**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 19 -** Backward primer (SEQ ID NO: 35) designed for mitochondrial 12 S ribosomal RNA region of *Tarletonbeania crenularis* (TCMB primer 12 S -

H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 19, delete the paragraph entitled **Table 20**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 20** - Forward primer (SEQ ID NO: 36) designed for mitochondrial 12 S ribosomal RNA region of *Tarletonbeania crenularis* (TCMB primer 12 S -L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 19, delete the paragraph entitled **Table 21**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 21** - Backward primer (SEQ ID NO: 37) designed for mitochondrial 16 S ribosomal RNA region of *Protomyctophum crockeri* (PCMB primer 16 S - H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 19, delete the paragraph entitled **Table 22**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 22** - Forward primer (SEQ ID NO: 38) designed for mitochondrial 16 S ribosomal RNA region of *Protomyctophum crockeri* (PCMB primer 16 S - L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 19, delete the paragraph entitled **Table 23**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 23** - Backward primer (SEQ ID NO: 39) designed for mitochondrial 12 S ribosomal RNA region of *Protomyctophum crockeri* (PCMB primer 12 S

-H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Pages 19-20, delete the paragraph entitled **Table 24**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 24** - Forward primer (SEQ ID NO: 40) designed for mitochondrial 12 S ribosomal RNA region of *Protomyctophum crockeri* (PCMB primer 12 S - L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 20, delete the paragraph entitled **Table 25**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 25** - Backward primer (SEQ ID NO: 15) designed for mitochondrial 16 S ribosomal RNA region of *Stenobrachius leucopsarus* (SLMB primer 16 S - H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 20, delete the paragraph entitled **Table 26**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 26** - Forward primer (SEQ ID NO: 16) designed for mitochondrial 16 S ribosomal RNA region of *Stenobrachius leucopsarus* (SLMB primer 16 S - L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 20, delete the paragraph entitled **Table 27**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 27** - Backward primer (SEQ ID NO: 13) designed for mitochondrial 12 S ribosomal RNA region of *Stenobrachius leucopsarus* (SLMB primer 12 S

-H) with 5' to 3' end sequences (ANTISENSE) and summaries of oligonucleotide and structural analyses.

On Page 20, delete the paragraph entitled **Table 28**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Table 28** - Forward primer (SEQ ID NO: 14) designed for mitochondrial 12 S ribosomal RNA region of *Stenobrachius leucopsarus* (SLMB primer 12 S - L) with 5' to 3' end sequences (SENSE) and summaries of oligonucleotide and structural analyses.

On Page 24, delete the paragraph entitled **Example 6**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Example 6:** PCR amplification using forward and backward D-Loop primers of *Stenobrachius leucopsarus*.

The PCR master mix (100 µl) comprised of Taq Buffer MgCl<sub>2</sub> free (10.0 µl), dNTP all the four nucleotides in the ratio of 1:1:1:1 (08.0 µl); D-Loop forward primer 01.0 µl with sequences ( PRO-L : 5' CTA CC 3' ), D-Loop backward 01.0 µl, with sequences (D-Loop H: 5' CCT GAA GTA GGA ACC AGA TG 3') (SEQ ID NO: 4); MgCl<sub>2</sub> (01.0 µl); Taq Polymerase (0.5 µl ); and ultrapure water ( 78.2 µl).

On Pages 24-25, delete the paragraph entitled **Example 7**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Example 7:**

As given in example 6, PCR amplification master mix was prepared using forward and backward 12 S RNA primers; 16 S RNA primers, Cyt b primers; ROD, ITS2 primers and DNA 0.3 µl of *Stenobrachius leucopsarus* was added individually to all tubes and amplified. The primers used were ROD-F: (SEQ ID NO: 8) 5' CAT ATG AAT ACC CTC AGT ACT ACC 3' and ROD-R: (SEQ ID NO: 7) 5' TCT TTC CGC AGC

ACA ACG TGG 3' for Rhodopsin DNA probe; 16SBR-H (SEQ ID NO: 12) 5' CCG GTC TGA ACT CAG ATC ACG T 3' and 16SAR-L (SEQ ID NO: 11) 5' CGC CTG TTT ATC AAA AAC AT 3' 16S for 16 S RNA gene probe; 12SA-L: (SEQ ID NO: 9) 5' AAA CTG GGA TTA GAT ACC CCA CTA T 3' and 12SB-L: (SEQ ID NO: 10) 5' AGA GTG ACG GGC GGT GTG T 3' for 12S RNA gene probe and run for 35 cycles in DNA thermo cycler. (Each cycle consisted of 94 degree C for 45 Seconds, 48 degree for 45 seconds, and 72 degree C for 1 minute) and hold at 4 degree Centigrade.

On Page 25, delete the paragraph entitled **Example 8**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Example 8:**

Cytochrome b DNA probe was amplified by using Cyt 1: (SEQ ID NO: 1) 5' TGA YTT GAA RAA CCA YCG TTG 3' and Cyt 2: (SEQ ID NO: 2) 5' CTC CAR TCT TCG RYT TAC AAG 3' primers followed by reamplification by using CBI-L (SEQ ID NO: 3) 5' CCA TCC AAC ATC TCA GCA TGA TGA AA 3' and Cyt 2: (SEQ ID NO: 2) 5' CTC CAR TCT TCG RYT TAC AAG 3' primers. The DNA template was of *Stenobrachius leucopsarus* and run for 35 cycles in DNA thermo cycler. (Each cycle consisted of 94°C for 45 Seconds, 48 degree for 45 seconds, and 72 degree C for 1 minute) and hold at 4 degree Centigrade.

On Page 25, delete the paragraph entitled **Example 9**; and replace this paragraph with the following in accordance with 37 CFR §1.121. A marked up version showing changes is attached:

**Example 9:**

Similarly , primer ITS1F-ITS2R of Internal transcribed spacers was used for the nested PCR's ( ITS1-F: (SEQ ID NO: 41) 5' TTG TAC ACA CCG CCC GTC GC 3' and ITS2-R: (SEQ ID NO: 6) 5' ATA TGC TTA AAT TCA GCG GG 3') and amplified by PCR. Later the ITS2 was reamplified using primers ITS2-F: (SEQ ID NO: 5) 5' CTA CGC CTG TCT GAG TGT C 3' and